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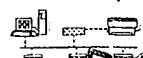
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1600

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NOV 4 2003

TECHNICAL CENTER 1600/2900

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 091674,4963
Source: OIP
Date Processed by STIC: 2/12/03

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 3.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebs/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

Raw Sequence Listing Error Summary

RECEIVED
MAR 04 2003
TECH CENTER 1600/2900

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 091674,496

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."

- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.

- 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.

- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.

- 5 ✓ Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

- 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.

- 7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

- 8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000

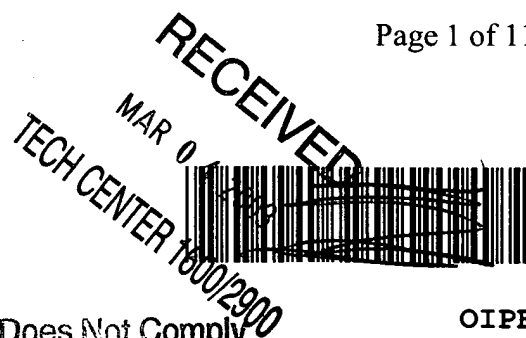
- 9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
 In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

- 10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence

- 11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
 Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

- 13 Misuse of n n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.



Does Not Comply
Corrected Diskette Needed

OICE

RAW SEQUENCE LISTING

DATE: 02/12/2003

PATENT APPLICATION: US/09/674,496B

TIME: 12:35:24

Input Set : A:\199463USOXPCT.ST25.txt

Output Set: N:\CRF4\02122003\I674496B.raw

3 <110> APPLICANT: BERNARD, DELOBEL
 4 ANNIE, GRENIER
 5 JACQUES, GUEGEN
 6 ERIC, FERRASSON
 7 MBAIGUINAM, MBAILAO
 9 <120> TITLE OF INVENTION: USE OF POLYPEPTIDE DERIVED FROM A PA 1B LEGUME ALBUMEN AS
 INSECTICIDE
 11 <130> FILE REFERENCE: 199463USOXPCT
 13 <140> CURRENT APPLICATION NUMBER: US 09/674,496B
 C--> 14 <141> CURRENT FILING DATE: 2003-02-06
 16 <150> PRIOR APPLICATION NUMBER: PCT/FR99/01085
 17 <151> PRIOR FILING DATE: 1999-05-07
 19 <150> PRIOR APPLICATION NUMBER: FR 98/05877
 20 <151> PRIOR FILING DATE: 1998-05-11
 22 <160> NUMBER OF SEQ ID NOS: 8
 24 <170> SOFTWARE: PatentIn version 3.1
 26 <210> SEQ ID NO: 1
 27 <211> LENGTH: 13
 28 <212> TYPE: PRT
 29 <213> ORGANISM: ARTIFICIAL SEQUENCE
 31 <220> FEATURE:
 32 <223> OTHER INFORMATION: SYNTHETIC PEPTIDE, RESIDUES 1, 3, 5, 7, 9, 11, AND 13 MAY BE
 A MA
 33 XIMUM OF 10, 5, 10, 10, 4, 15, AND 10 AMINO ACIDS, RESPECTIVELY,
 34 AND SOME OF THESE AMINO ACIDS MAY BE MISSING.
 36 <220> FEATURE:
 37 <221> NAME/KEY: MISC_FEATURE
 38 <222> LOCATION: (1)..(1)
 39 <223> OTHER INFORMATION: X IS ANY ONE AMINO ACID
 42 <220> FEATURE:
 43 <221> NAME/KEY: MISC_FEATURE
 44 <222> LOCATION: (3)..(3)
 45 <223> OTHER INFORMATION: X IS ANY ONE AMINO ACID
 48 <220> FEATURE:
 49 <221> NAME/KEY: MISC_FEATURE
 50 <222> LOCATION: (5)..(5)
 51 <223> OTHER INFORMATION: X IS ANY ONE AMINO ACID
 54 <220> FEATURE:
 55 <221> NAME/KEY: MISC_FEATURE
 56 <222> LOCATION: (7)..(7)
 57 <223> OTHER INFORMATION: X IS ANY ONE AMINO ACID
 60 <220> FEATURE:
 61 <221> NAME/KEY: MISC_FEATURE
 62 <222> LOCATION: (9)..(9)

Variable length -
See error summary sheet
item 5

63 <223> OTHER INFORMATION: X IS ANY ONE AMINO ACID

(

RAW SEQUENCE LISTING

DATE: 02/12/2003

PATENT APPLICATION: US/09/674,496B

TIME: 12:35:24

Input Set : A:\199463USOXPCT.ST25.txt

Output Set: N:\CRF4\02122003\I674496B.raw

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66 <220> FEATURE:
67 <221> NAME/KEY: MISC_FEATURE
68 <222> LOCATION: (11)..(11)
69 <223> OTHER INFORMATION: X IS ANY ONE AMINO ACID
72 <220> FEATURE:
73 <221> NAME/KEY: MISC_FEATURE
74 <222> LOCATION: (13)..(13)
75 <223> OTHER INFORMATION: X IS ANY ONE AMINO ACID
78 <400> SEQUENCE: 1
W--> 80 Xaa Cys Xaa Cys Xaa Cys Xaa Cys Xaa Cys Xaa Cys Xaa
81 1 5 10
84 <210> SEQ ID NO: 2
85 <211> LENGTH: 7
86 <212> TYPE: PRT
87 <213> ORGANISM: ARTIFICIAL SEQUENCE
89 <220> FEATURE:
90 <223> OTHER INFORMATION: SYNTHETIC PEPTIDE
92 <220> FEATURE:
93 <221> NAME/KEY: MISC_FEATURE
94 <222> LOCATION: (1)..(1)
95 <223> OTHER INFORMATION: X is an amino acid chosen from alanine, serine, glycine and
threo
96 nine
99 <220> FEATURE:
100 <221> NAME/KEY: MISC_FEATURE
101 <222> LOCATION: (2)..(2)
102 <223> OTHER INFORMATION: X is proline
105 <220> FEATURE:
106 <221> NAME/KEY: MISC_FEATURE
107 <222> LOCATION: (6)..(6)
108 <223> OTHER INFORMATION: X is proline
111 <220> FEATURE:
112 <221> NAME/KEY: MISC_FEATURE
113 <222> LOCATION: (7)..(7)
114 <223> OTHER INFORMATION: X is proline
117 <220> FEATURE:
118 <221> NAME/KEY: MISC_FEATURE
119 <222> LOCATION: (3)..(3)
120 <223> OTHER INFORMATION: X is an amino acid chosen from phenylalanine, tryptophan and
tyro
121 sine
124 <220> FEATURE:
125 <221> NAME/KEY: MISC_FEATURE
126 <222> LOCATION: (4)..(4)
127 <223> OTHER INFORMATION: X is an amino acid chosen from aspartic acid or glutamic
acid
130 <220> FEATURE:
131 <221> NAME/KEY: MISC_FEATURE
132 <222> LOCATION: (5)..(5)
133 <223> OTHER INFORMATION: X is an amino acid chosen from valine, leucine, isoleucine
and me
134 thionine
137 <400> SEQUENCE: 2

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RAW SEQUENCE LISTING

DATE: 02/12/2003

PATENT APPLICATION: US/09/674,496B

TIME: 12:35:24

Input Set : A:\199463USOXPCT.ST25.txt

Output Set: N:\CRF4\02122003\I674496B.raw

W--> 139 Xaa Xaa Xaa Xaa Xaa Xaa Xaa

140 1 5

143 <210> SEQ ID NO: 3

144 <211> LENGTH: 4

145 <212> TYPE: PRT

146 <213> ORGANISM: ARTIFICIAL SEQUENCE

148 <220> FEATURE:

149 <223> OTHER INFORMATION: SYNTHETIC PEPTIDE

151 <220> FEATURE:

152 <221> NAME/KEY: MISC_FEATURE

153 <222> LOCATION: (2)..(2)

154 <223> OTHER INFORMATION: X is an amino acid chosen from alanine, serine, glycine and threo

155 nine

158 <220> FEATURE:

159 <221> NAME/KEY: MISC_FEATURE

160 <222> LOCATION: (4)..(4)

161 <223> OTHER INFORMATION: X is an amino acid chosen from alanine, serine, glycine, threonin

162 e, aspartic acid and glutamic acid

165 <220> FEATURE:

166 <221> NAME/KEY: MISC_FEATURE

167 <222> LOCATION: (3)..(3)

168 <223> OTHER INFORMATION: X is an amino acid chosen from alanine, serine, glycine, threonin

169 e and a basic residue

172 <220> FEATURE:

173 <221> NAME/KEY: MISC_FEATURE

174 <222> LOCATION: (1)..(1)

175 <223> OTHER INFORMATION: X is an amino acid chosen from alanine, serine, glycine, threonin

176 e and a basic residue

179 <400> SEQUENCE: 3

W--> 181 Xaa Xaa Xaa Xaa

182 1

185 <210> SEQ ID NO: 4

186 <211> LENGTH: 9

187 <212> TYPE: PRT

188 <213> ORGANISM: ARTIFICIAL SEQUENCE

190 <220> FEATURE:

191 <223> OTHER INFORMATION: SYNTHETIC PEPTIDE

193 <220> FEATURE:

194 <221> NAME/KEY: MISC_FEATURE

195 <222> LOCATION: (1)..(1)

196 <223> OTHER INFORMATION: X is an amino acid chosen from valine, leucine, isoleucine and me

197 thionine

200 <220> FEATURE:

201 <221> NAME/KEY: MISC_FEATURE

202 <222> LOCATION: (3)..(3)

203 <223> OTHER INFORMATION: X is an amino acid chosen from valine, leucine, isoleucine and me

204 thionine

207 <220> FEATURE:

208 <221> NAME/KEY: MISC_FEATURE

RAW SEQUENCE LISTING

DATE: 02/12/2003

PATENT APPLICATION: US/09/674,496B

TIME: 12:35:24

Input Set : A:\199463USOXPCT.ST25.txt

Output Set: N:\CRF4\02122003\I674496B.raw

209 <222> LOCATION: (2)..(2)
 210 <223> OTHER INFORMATION: X is proline
 213 <220> FEATURE:
 214 <221> NAME/KEY: MISC_FEATURE
 215 <222> LOCATION: (4)..(4)
 216 <223> OTHER INFORMATION: X is an amino acid chosen from alanine, serine, glycine and
 threo
 217 nine
 220 <220> FEATURE:
 221 <221> NAME/KEY: MISC_FEATURE
 222 <222> LOCATION: (8)..(8)
 223 <223> OTHER INFORMATION: X is an amino acid chosen from alanine, serine, glycine and
 threo
 224 nine
 227 <220> FEATURE:
 228 <221> NAME/KEY: MISC_FEATURE
 229 <222> LOCATION: (6)..(6)
 230 <223> OTHER INFORMATION: X is an amino acid chosen from valine, leucine, isoleucine,
 methi
 231 onine, phenylalanine, tryptophan and tyrosine
 234 <220> FEATURE:
 235 <221> NAME/KEY: MISC_FEATURE
 236 <222> LOCATION: (9)..(9)
 237 <223> OTHER INFORMATION: X is an amino acid chosen from phenylalanine, tryptophan and
 tyro
 238 sine
 241 <220> FEATURE:
 242 <221> NAME/KEY: MISC_FEATURE
 243 <222> LOCATION: (5)..(5)
 244 <223> OTHER INFORMATION: X is an amino acid chosen from valine, leucine, isoleucine
 and me
 245 thionine
 248 <220> FEATURE:
 249 <221> NAME/KEY: MISC_FEATURE
 250 <222> LOCATION: (7)..(7)
 251 <223> OTHER INFORMATION: X is an amino acid chosen from valine, leucine, isoleucine
 and me
 252 thionine
 255 <400> SEQUENCE: 4
 W--> 257 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 258 1 5
 261 <210> SEQ ID NO: 5
 262 <211> LENGTH: 5
 263 <212> TYPE: PRT
 264 <213> ORGANISM: ARTIFICIAL SEQUENCE
 266 <220> FEATURE:
 267 <223> OTHER INFORMATION: SYNTHETIC PEPTIDE
 269 <220> FEATURE:
 270 <221> NAME/KEY: MISC_FEATURE
 271 <222> LOCATION: (1)..(1)
 272 <223> OTHER INFORMATION: X is a basic amino acid or an amino acid chosen from valine,
 leuc
 273 ine, isoleucine and methionine

276 <220> FEATURE:
277 <221> NAME/KEY: MISC_FEATURE
278 <222> LOCATION: (2)..(2)

RAW SEQUENCE LISTING

DATE: 02/12/2003

PATENT APPLICATION: US/09/674,496B

TIME: 12:35:24

Input Set : A:\199463USOXPCT.ST25.txt

Output Set: N:\CRF4\02122003\I674496B.raw

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279 <223> OTHER INFORMATION: X is asparagine or glutamine or a basic amino acid
282 <220> FEATURE:
283 <221> NAME/KEY: MISC_FEATURE
284 <222> LOCATION: (3)..(3)
285 <223> OTHER INFORMATION: X is proline
288 <220> FEATURE:
289 <221> NAME/KEY: MISC_FEATURE
290 <222> LOCATION: (4)..(4)
291 <223> OTHER INFORMATION: X is an amino acid chosen from alanine, serine, glycine and
threo
292     nine
295 <220> FEATURE:
296 <221> NAME/KEY: MISC_FEATURE
297 <222> LOCATION: (5)..(5)
298 <223> OTHER INFORMATION: X is an amino acid chosen from alanine, serine, glycine and
threo
299     nine
302 <400> SEQUENCE: 5
W--> 304 Xaa Xaa Xaa Xaa Xaa
305 1         5
308 <210> SEQ ID NO: 6
309 <211> LENGTH: 37
310 <212> TYPE: PRT
311 <213> ORGANISM: ARTIFICIAL SEQUENCE
313 <220> FEATURE:
314 <223> OTHER INFORMATION: SYNTHETIC PEPTIDE
316 <400> SEQUENCE: 6
318 Ala Ser Cys Asn Gly Val Cys Ser Pro Phe Glu Met Pro Pro Cys Gly
319 1         5         10         15
322 Thr Ser Ala Cys Arg Cys Ile Pro Val Gly Leu Val Ile Gly Tyr Cys
323         20         25         30
326 Arg Asn Pro Ser Gly
327         35
330 <210> SEQ ID NO: 7
331 <211> LENGTH: 37
332 <212> TYPE: PRT
333 <213> ORGANISM: ARTIFICIAL SEQUENCE
335 <220> FEATURE:
336 <223> OTHER INFORMATION: SYNTHETIC PEPTIDE
338 <400> SEQUENCE: 7
340 Ala Ser Cys Asn Gly Val Cys Ser Pro Phe Glu Met Pro Pro Cys Gly
341 1         5         10         15
344 Thr Ser Ala Cys Arg Cys Ile Pro Val Gly Leu Val Val Gly Tyr Cys
345         20         25         30
348 Arg Asn Pro Ser Gly
349         35
352 <210> SEQ ID NO: 8
353 <211> LENGTH: 37
354 <212> TYPE: PRT
355 <213> ORGANISM: ARTIFICIAL SEQUENCE
357 <220> FEATURE:

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/674,496B

DATE: 02/12/2003
TIME: 12:35:25

Input Set : A:\199463USOXPCT.ST25.txt
Output Set: N:\CRF4\02122003\I674496B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1,3,5,7,9,11,13
Seq#:2; Xaa Pos. 1,2,3,4,5,6,7
Seq#:3; Xaa Pos. 1,2,3,4
Seq#:4; Xaa Pos. 1,2,3,4,5,6,7,8,9
Seq#:5; Xaa Pos. 1,2,3,4,5

VERIFICATION SUMMARY

DATE: 02/12/2003

PATENT APPLICATION: **US/09/674,496B**

TIME: 12:35:25

Input Set : **A:\199463USOXPCT.ST25.txt**Output Set: **N:\CRF4\02122003\I674496B.raw**

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:80 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:139 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:181 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:257 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:304 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0